

AMENDMENT TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) A scaffold for regenerating a biological tissue by seeding tissue cells onto the scaffold and growing the tissue cells on the scaffold, comprising a semi-permeable membrane formed on an outer surface thereof and is 1 to 3mm in size.

2. (Original) The scaffold as set forth in claim 1, wherein the semi-permeable membrane is made of one selected from among alginates, polysaccharides, chitosan, agar powder and gelatin.

3. (Deleted)

4. (Original) A method for preparing a scaffold comprising a semi-permeable membrane, comprising:

loading one or more scaffolds into a mold with a predetermined form and size; and
adding a mixture of a semi-permeable agent and a cross-linking agent to the mold and cross-linking the semi-permeable agent to form the semi-permeable membrane on an outer surface of each of the scaffolds.

5. (Original) The method as set forth in claim 4, wherein the semi-permeable agent is selected from among alginates, polysaccharides, chitosan, agar powder and gelatin.

6. (Original) The method as set forth in claim 4, wherein the cross-linking agent is selected from among calcium chloride, tripolyphosphate and glutaraldehyde.

7. (Original) The method as set forth in claim 4, wherein the mold is made of Teflon.

8. (Original) A method of preparing a biological tissue, comprising:
seeding cells obtained from a tissue to be regenerated onto one or more scaffolds;
loading the scaffolds seeded with the tissue cells into a molding container with a predetermined form and size;

adding a semi-permeable agent and cross-linking agent to the molding container and forming a semi-permeable membrane on an outer surface of each of the scaffolds loaded in the molding container to interconnect the scaffolds; and

introducing nutrients into the scaffolds interconnected with the cross-linking agent, thus proliferating the tissue cells.

9. (Original) The method as set forth in claim 8, wherein the semi-permeable agent is selected from among alginates, polysaccharides, chitosan, agar powder and gelatin.

10. (Original) The method as set forth in claim 8, wherein the cross-linking agent is selected from among calcium chloride, tripolyphosphate and glutaraldehyde.

11. (Original) The method as set forth in claim 8, wherein the mold is made of Teflon.

12. (Currently Amended) A biological tissue prepared using the scaffold comprising the semi-permeable membrane according to ~~any one of~~ claims 1 to 2.

13. (Currently Amended) A biological tissue prepared by the method according to ~~any one of~~ claims 8 to 11.